

Title (en)

Apparatus for automatically feeding slides into a film scanner

Title (de)

Vorrichtung zum automatischen Zuführen von Dias in einen Filmabtaster

Title (fr)

Dispositif pour alimenter automatiquement des diapositives dans un lecteur de film

Publication

EP 0711070 A1 19960508 (EN)

Application

EP 95420267 A 19950925

Priority

US 31918894 A 19941006

Abstract (en)

Apparatus for automatically inserting 35 mm photographic slides into a slide scanning gate in the scanning station of a film scanner, scanning the slide, and ejecting the slides on completion of scanning. A vertical mount in the film scanner housing receives a rotatable slide tray having customer orders in selected tray slots to present each selected slide into alignment laterally in a horizontal plane with the film scanning gate. A load arm is actuated to load the slide from the tray slot into the scanning gate. The scanning gate accepts slides in mounts of varying size and thickness and centers the slide film image frame in alignment with a film scanning plane in the scanning station. The scanning gate is translated in the scanning station out of the load position for low and high resolution scans and returned to the load position. A return arm is actuated to eject the slide from the scanning gate and back into the same slot in the tray, and the tray is rotated to present the next selected slide into alignment with the load and return arms and the slide scanning gate. The system scans slides of different customer orders in accordance with instructions entered into an electronic control system. <IMAGE>

IPC 1-7

H04N 5/253; **G03B 23/06**

IPC 8 full level

G03B 23/06 (2006.01); **H04N 1/00** (2006.01)

CPC (source: EP US)

G03B 23/06 (2013.01 - EP US); **H04N 1/00567** (2013.01 - EP US); **H04N 1/00641** (2013.01 - EP US); **H04N 2201/0406** (2013.01 - EP US)

Citation (search report)

- [A] FR 2627044 A1 19890811 - BOSCH GMBH ROBERT [DE]
- [A] EP 0578203 A1 19940112 - EASTMAN KODAK CO [US]
- [AD] US 4858003 A 19890815 - WIRT MICHAEL L [US], et al
- [A] US 2982177 A 19610502 - BRISKIN THEODORE S, et al
- [A] US 3501234 A 19700317 - JOHANNSEN HANS WERNER, et al
- [A] US 3171222 A 19650302 - YOSHINOBU SAKAKI, et al
- [A] US 3486818 A 19691230 - HOPPMANN KURT H, et al
- [A] FR 2250134 A1 19750530 - EASTMAN KODAK CO [US]

Cited by

EP1176797A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0711070 A1 19960508; US 5555042 A 19960910

DOCDB simple family (application)

EP 95420267 A 19950925; US 31918894 A 19941006